

## CLAIMS

1. An instrument for inducing a cytokine, which  
comprises hemolytic streptococcus and/or a hemolytic  
5 streptococcus-origin component and a water-insoluble carrier.

2. The instrument for inducing a cytokine according to  
claim 1, which further comprises a container which comprises  
the hemolytic streptococcus and/or the hemolytic  
10 streptococcus-origin component and the water-insoluble  
carrier.

3. The instrument for inducing a cytokine according to  
claim 1 or 2, wherein the water-insoluble carrier has an effect  
15 for enhancing induction of a cytokine.

4. The instrument for inducing a cytokine according to  
any one of claims 1 to 3, wherein the hemolytic streptococcus  
and/or the hemolytic streptococcus-origin component have been  
20 fixed on the water-insoluble carrier.

5. The instrument for inducing a cytokine according to  
any one of claims 1 to 4, wherein the water-insoluble carrier  
comprises a polymer material.

6. The instrument for inducing a cytokine according to claim 5, wherein the polymer material is a porous polymer material.

5 7. The instrument for inducing a cytokine according to claim 5 or 6, wherein the polymer material comprises at least one kind selected from the group consisting of a polystyrene-based polymer material, a polyacrylic ester-based polymer material, a polypropylene-based polymer material and  
10 a polyvinyl chloride-based polymer material.

8. The instrument for inducing a cytokine according to any one of claims 1 to 4, wherein the water-insoluble carrier comprises a carbon material.

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9. The instrument for inducing a cytokine according to claim 8, wherein the carbon material is an active carbon.

10. The instrument for inducing a cytokine according to  
20 claim 9, wherein the active carbon has a diameter of more than 100  $\mu\text{m}$  and not more than 10000  $\mu\text{m}$ .

11. The instrument for inducing a cytokine according to claim 9 or 10, wherein the active carbon is an active carbon  
25 obtained from at least one kind of raw material selected from

the group consisting of a petroleum pitch, a phenolic resin,  
a coal and a coconut husk.

12. The instrument for inducing a cytokine according to  
5 any one of claims 1 to 11, which is used for the induction of  
a cytokine production in a cell which can produce a cytokine.

13. The instrument for inducing a cytokine according to  
claim 12, wherein the cell which can produce a cytokine is a  
10 cell derived from blood or a blood constituent.

14. A method for inducing a cytokine, which comprises  
inducing a cytokine using the instrument for inducing a cytokine  
according to any one of claims 1 to 13.